

FIGURE 1

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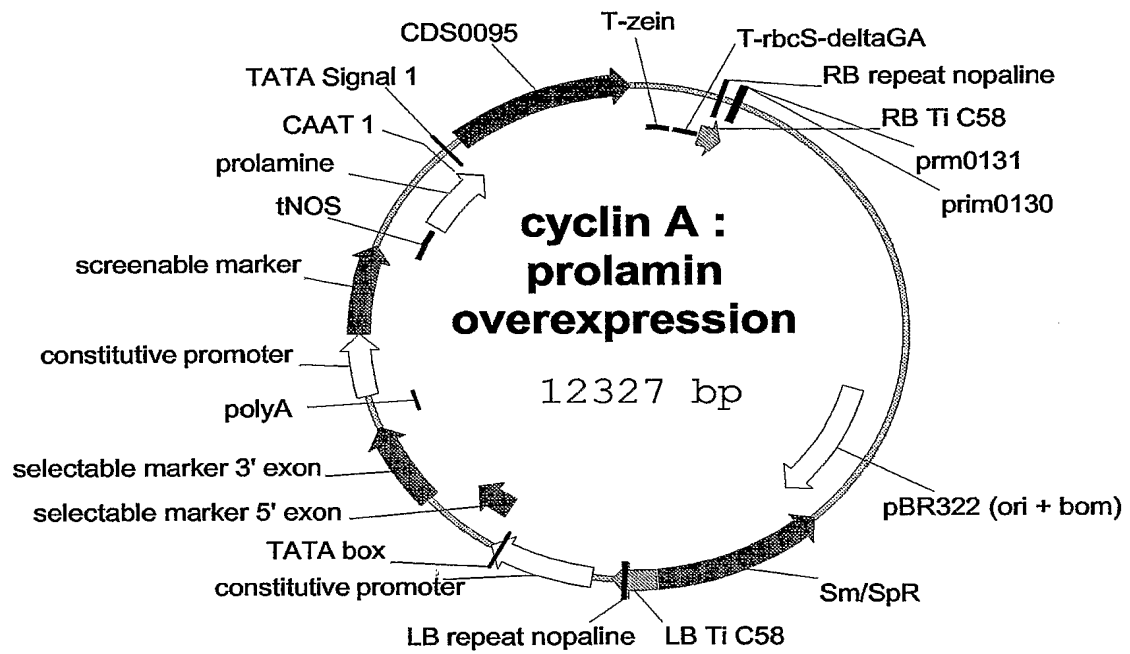


FIGURE 2

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Gene name	Plant accession	Motif 1	Motif 2
Cyclin A2;1	Arabidopsis At5g25380	WLVEVSEEEYKLVSDT	ELTLTEYTFRLFLPS
Cyclin A2;2	Arabidopsis At5g11300	WLVEVSDDYKLVPDT	ELTLVEYSFLRFLPS
Cyclin A2;3	Arabidopsis At1g15570	WLVEVSEEEYTLASDT	ELTLIDYHFLKFLPS
Cyclin A2;4	Arabidopsis At5g43080	WLVEVSEEEYTLVPDT	ELTLM DY PFLKFLPS
Cyclin A2 type	Rice AK106653	WLVEVSEEEYKLVPDT	ELTLIDYSFLKFLPS
Cyclin A2 type	Medicago AAK81695	WLVEVSEGYKLQANT	ELTLMNYGFLNFLPS
Cyclin A2 type	Nicotiana BAA09367	WLVEVSEEEYRLVPDT	ELTLVDYGFLKFLPS
Cyclin A1;1	Arabidopsis At1g44110	WLIEVSEEEYRLVPET	ELSLLEYTMLSHSPS
Cyclin A1;2	Arabidopsis At1g77390	WLVEVAEEYRLSPET	ELSLLDYAMLRYAPS
Cyclin A3;1	Arabidopsis at5g43080	WLVEVAEEYKLLSDT	ELSMLDYQSVKFLPS
Cyclin A1.1 type	Rice BAA86628	WLVEVAEEYRLVPDT	ELSLLEYNLLSYPPS
Cyclin B1;1	Arabidopsis At4g37490	WLIDVHVRFELNPET	ELGVMHYDTMIMFSPS

FIGURE 3

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SEQUENCE LISTING

SEQ ID NO 01: DNA sequence of Cyclin A2;2 (A variant of the coding sequence of the sequence deposited under accession number NM_121168 contains a G instead of C on position 851 (boxed) and a T instead of C on position 1295(boxed))

atgtattgctcttcttcgatgcatccaaatgcaaacaaagaaaatatctctacttcagatgt
acaggagaggttttgtacgaataacgagatcacgagctaaaaaagccatgggaagaggagtat
caatacctccaacaaaaccttcttttaaacagcaaaagagacgtgcagtacttaaggatgtg
agtaatacctctgcagatattatttattcagaacttcgaaagggaggcaacatcaaggcaaa
cagaaaatgtctaaaagagcctaaaaaagcagcaaaaggaaggtgctaacagtgccatggata
ttctggtagatatgcatacagaaaaatcaaaattagcagaagatttgtccaagatcaggatg
gctgaagcccaagatgtctctctttcaaacttttaagatgaagaaattactgagcaacaaga
agatggatcaggtgtcatggagttacttcaagttgtagatattgattccaacgtcgaagatc
cacagtgttgagcttgcagcttgcagctgctgatatatatgacaacatacatgttgcagagcttcaa
caacgacccttggttaattatatggagcttgcagcagagatatcgaccagacatgagaaa
gattctgattgactggcttgcagaaagtttctgacgactacaagctggttccagatacgcttt
accttacagtgaatccttatcgaccggtttctgtccaacagttacattgaaaggcaagactc
cagctccttggtgtctcttgcagcttgcagcttcaaaatatgaagagctttccgcaccagg
ggtggaggaggttttgccttcattacggccaacacatacacaagac[boxed]agaagtgcagcatgg
agattcaaatctaaattttgtgcacttttagattatcggttcctaccacaaaacattttctg
aggcggttcattaaagcagctcaagcttcgtacaaggtgcctttcattgaactggagtat
agcaaaactatctcgccgaattgacactgggtggaatatagtttcctaaggttcctgccatcac
taattgctgcttcagctgttttcttagcccgatggacactcgaccaaactgaccatccttgg
aaccctactctgcaacactacaccagatatgaggtagctgagctgaagaacacagttctcgc
catggaggacttgcagctcaacaccagtggtgtactctcgctgccaccctgagaaataca
accaaccaaagtttaagagcgtggcaagctgacatctcccaaacgagtcacat[boxed]actattc
tcaagatga

SEQ ID NO 02: protein sequence of Cyclin A2;2 (A variant of the sequence deposited under accession number NP_568248 contains an arginine instead of a proline on position 284 (boxed) and a phenylalanine instead of a serine on position 432 (boxed))

MYCSSSMHPNANKENISTSDVQESFVRITRSRAKKAMGRGVSIPPTKPSFKQQKRRAVLKDV
SNTSADI IYSELRKGGNIKANRKCLKEPKKAAKEGANSAMDILVDMHTEKSKLAEDLSKIRM
AEAQDVLSLNFKDEEITEQQEDGSGVMELLQVVDIDSNVEDPQCCSLYAADIYDNIHVAELQ
QRPLANYMELVQRDIDPDMRKILIDWLVEVSDDYKLVPDTLYLTVNLIDRFLSNSYIERQRL
QLLGVSCMLIASKYEELSAPGVVEEFCFITANTYTR[boxed]EVLSMEIQILNFVHFRLSVPTTKTFL
RRFIKAAQASYKVPFIELEYLANYLAEELTVEYSFLRFLPSLIAASAVFLARWTLQDTHPW
NPTLQHYTRYEVAELKNTVLAMEDLQLNTSGCTLAATREKYNQPKFKSVAKLTSPKRVT[boxed]SLF
SR

FIGURE 4

5/5**SEQ ID NO 03:** DNA sequence of the prolamin promoter

cttctacatcggccttaggtgtagcaacacgactttattattattattattattattattatt
atthttacaaaaatataaaatagatcagtcacctcaccacaagtagagcaagttggtgagttat
tgtaaagttctacaaagctaattttaaaagttattgcattaacttattttcatattacaaacaa
gagtgtcaatggaacaatgaaaaccatatgacatactataattttggtttttattattgaaat
tatataattcaaagagaataaaatccacatagccgtaaagttctacatgtggtgcattaccaa
aatatatatagcttacaaaacatgacaagcttagtttgaaaaattgcaatccttatcacatt
gacacataaagtgtgagtgtgagtcataatattatttttctttgctacctcatgtatatatg
atagccacaaagttactttgatgatgatatacaagaacatttttaggtgcacctaacagaat
atccaaataatatgactcacttagatcataatagagcatcaagtaaaactaacactctaaag
caaccgatgggaaagcatctataaatagacaagcacaatgaaaatcctcatcatccttcacc
acaattcaaataattatagttgaagcatagtagta

SEQ ID NO 04: primer sequence (primer PRM582)

ggggacaagtttgtacaaaaaagcaggcttcacaatgtattgctcttcttcgatgc

SEQ ID NO 05: primer sequence (primer PRM583)

ggggaccactttgtacaagaaagctgggtgcttggtgtcatcttgagaatag

FIGURE 4 (continued)